

STN- Structure Search 6/16/06

10/531,393

=> d his

(FILE 'HOME' ENTERED AT 09:26:41 ON 16 JUN 2006)

FILE 'REGISTRY' ENTERED AT 09:26:53 ON 16 JUN 2006

L1 STRUCTURE UPLOADED

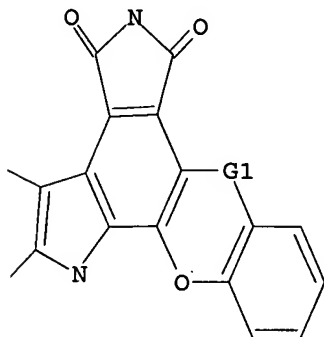
L2 0 S L1

L3 0 S L1 FULL

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 C,O

Structure attributes must be viewed using STN Express query preparation.

Interpret
=> d ibib abs hitstr

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:329924 CAPLUS

DOCUMENT NUMBER: 140:339333

TITLE: Preparation of [1,4]benzodioxazino[2,3-e]isoindoles as antitumor agents for treating leukemia and solid tumors

INVENTOR(S): Coudert, Gerard; Ayerbe, Nathalie; Lepifre, Franck; Routier, Sylvain; Caignard, Daniel Henri; Renard, Pierre; Hickman, John; Pierre, Alain; Leonce, Stephane

PATENT ASSIGNEE(S): Les Laboratoires Servier, Fr.

SOURCE: Fr. Demande, 82 pp.

CODEN: FRXXBL

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2845997	A1	20040423	FR 2002-12965	20021018
FR 2845997	B1	20041224		
CA 2502488	AA	20040506	CA 2003-2502488	20031017
WO 2004037831	A1	20040506	WO 2003-FR3069	20031017

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2003301532	A1	20040513	AU 2003-301532	20031017
BR 2003014878	A	20050802	BR 2003-14878	20031017
EP 1587810	A1	20051026	EP 2003-809363	20031017

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

JP 2006507280	T2	20060302	JP 2004-546098	20031017
US 2006040930	A1	20060223	US 2005-531393	20050414
NO 2005002330	A	20050512	NO 2005-2330	20050512

PRIORITY APPLN. INFO.: FR 2002-12965 A 20021018
WO 2003-FR3069 W 20031017

OTHER SOURCE(S): MARPAT 140:339333
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

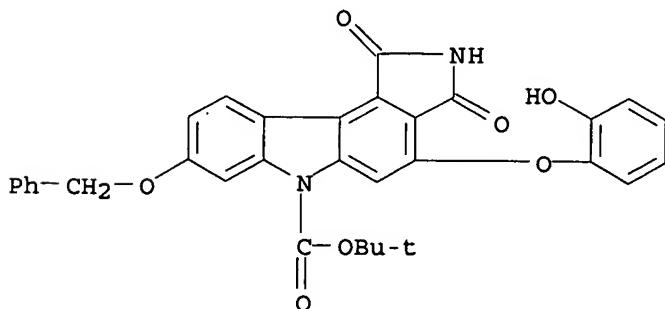
AB Title compds. I and II [wherein CWC = Ph, pyridinyl; Z = H, halo, aryl/alkyl, NO₂, CN, OH and derivs., aryl, aryloxy, arylalkoxy, NH₂ and derivs.; R₄ = H, aryl, aryl/alkyl, COOR₅; R₅ = aryl, aryl/alkyl; Y = O, CH₂; when R₂ = H, R₃ = H, aryl, aryl/alkyl, SO₂CF₃; or R₂R₃ = a bond; R₁ = H, aryl, aryl/alkyl, (un)substituted alkylene; Z₁, Z₂ = independently H, or CZ₁Z₂C = Ph provided that when Z = H, R₁ is not H; their enantiomers, diastereomers, N-oxides, and their salts of addition with a pharmaceutically acceptable acid or base] were prepared as antitumor agents. For example, III was prepared by coupling bromide IV (preparation given) with 2-trimethylstannyl-1,4-benzodioxine (preparation given), irradiation in the presence of I₂/toluene, and deprotections. III displayed an IC₅₀ in the range of 10 to 200 nM for inhibition of certain human cell proliferation. Title compds. are useful for treating leukemia and solid neoplasm.

IT 680993-28-6P

RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(antitumor agent; preparation of [1,4]benzodioxazino[2,3-e]isoindoles as antitumor agents for treating leukemia and solid tumors)

RN 680993-28-6 CAPLUS

CN Pyrrolo[3,4-c]carbazole-6(1H)-carboxylic acid, 2,3-dihydro-4-(2-hydroxyphenoxy)-1,3-dioxo-8-(phenylmethoxy)-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



IT 680993-29-7P 680993-31-1P 680993-32-2P
680993-35-5P 680993-37-7P

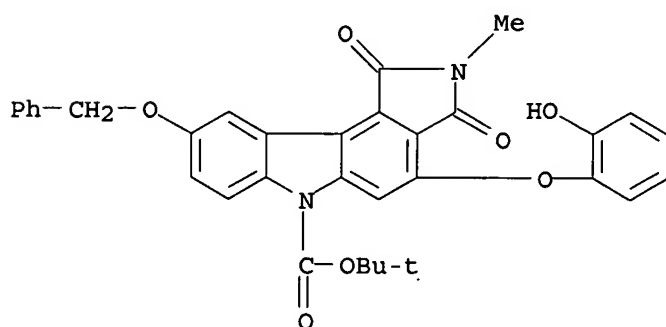
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic

10/531,393

preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(antitumor agent; preparation of [1,4]benzodioxazino[2,3-e]isoindoles as antitumor agents for treating leukemia and solid tumors)

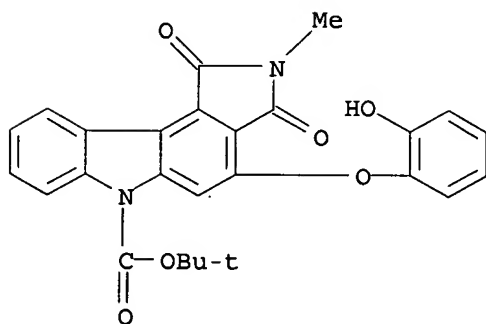
RN 680993-29-7 CAPLUS

CN Pyrrolo[3,4-c]carbazole-6(1H)-carboxylic acid, 2,3-dihydro-4-(2-hydroxyphenoxy)-2-methyl-1,3-dioxo-9-(phenylmethoxy)-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



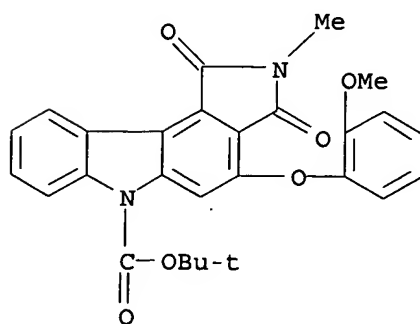
RN 680993-31-1 CAPLUS

CN Pyrrolo[3,4-c]carbazole-6(1H)-carboxylic acid, 2,3-dihydro-4-(2-hydroxyphenoxy)-2-methyl-1,3-dioxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 680993-32-2 CAPLUS

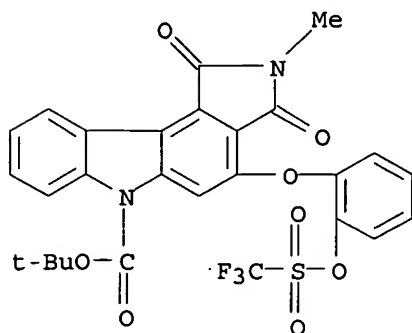
CN Pyrrolo[3,4-c]carbazole-6(1H)-carboxylic acid, 2,3-dihydro-4-(2-methoxyphenoxy)-2-methyl-1,3-dioxo-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



10/531,393

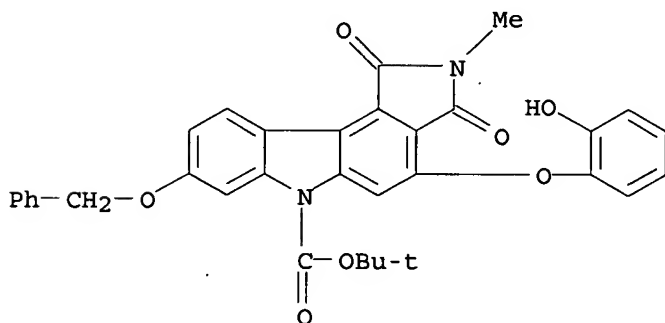
RN 680993-35-5 CAPLUS

CN Pyrrolo[3,4-c]carbazole-6(1H)-carboxylic acid, 2,3-dihydro-2-methyl-1,3-dioxo-4-[2-[[trifluoromethyl)sulfonyl]oxy]phenoxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 680993-37-7 CAPLUS

CN Pyrrolo[3,4-c]carbazole-6(1H)-carboxylic acid, 2,3-dihydro-4-(2-hydroxyphenoxy)-2-methyl-1,3-dioxo-8-(phenylmethoxy)-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



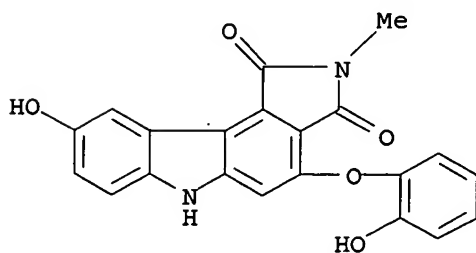
IT 680993-30-0P 680993-33-3P 680993-34-4P
680993-36-6P 680993-38-8P 680993-39-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(antitumor agent; preparation of [1,4]benzodioxazino[2,3-e]isoindoles as antitumor agents for treating leukemia and solid tumors)

RN 680993-30-0 CAPLUS

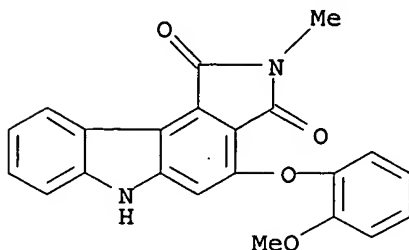
CN Pyrrolo[3,4-c]carbazole-1,3(2H,6H)-dione, 9-hydroxy-4-(2-hydroxyphenoxy)-2-methyl- (9CI) (CA INDEX NAME)



10/531,393

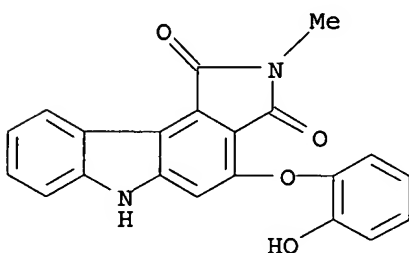
RN 680993-33-3 CAPLUS

CN Pyrrolo[3,4-c]carbazole-1,3(2H,6H)-dione, 4-(2-methoxyphenoxy)-2-methyl-(9CI) (CA INDEX NAME)



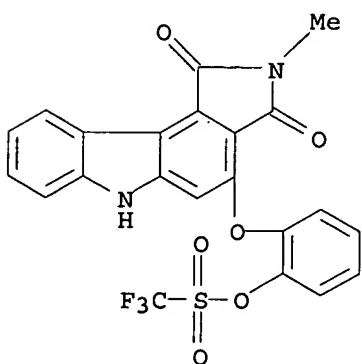
RN 680993-34-4 CAPLUS

CN Pyrrolo[3,4-c]carbazole-1,3(2H,6H)-dione, 4-(2-hydroxyphenoxy)-2-methyl-(9CI) (CA INDEX NAME)



RN 680993-36-6 CAPLUS

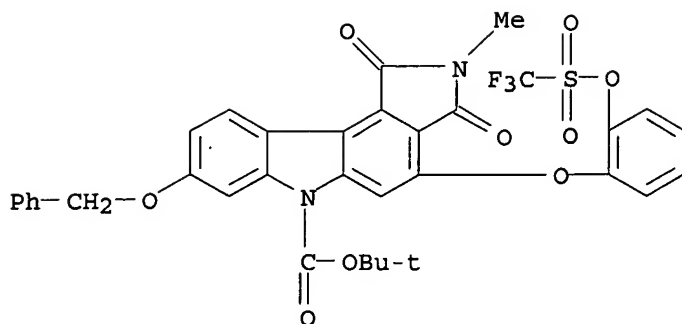
CN Methanesulfonic acid, trifluoro-, 2-[(1,2,3,6-tetrahydro-2-methyl-1,3-dioxopyrrolo[3,4-c]carbazol-4-yl)oxy]phenyl ester (9CI) (CA INDEX NAME)



RN 680993-38-8 CAPLUS

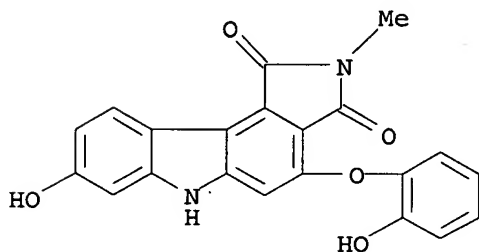
CN Pyrrolo[3,4-c]carbazole-6(1H)-carboxylic acid, 2,3-dihydro-2-methyl-1,3-dioxo-8-(phenylmethoxy)-4-[2-[[[(trifluoromethyl)sulfonyl]oxy]phenoxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

10/531,393



RN 680993-39-9 CAPLUS

CN Pyrrolo[3,4-c]carbazole-1,3(2H,6H)-dione, 8-hydroxy-4-(2-hydroxyphenoxy)-2-methyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d re 1-3

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
RE

- (1) Adir; EP 0841337 A 1998 CAPLUS
- (2) Akama, T; WO 9809967 A 1998 CAPLUS
- (3) Hudkins, R; US 5705511 A 1998 CAPLUS

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(FILE 'HOME' ENTERED AT 09:26:41 ON 16 JUN 2006)

FILE 'REGISTRY' ENTERED AT 09:26:53 ON 16 JUN 2006

L1 STRUCTURE UPLOADED
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L3 0 S L1 FULL
L4 STRUCTURE UPLOADED
L5 0 S L4
L6 12 S L4 FULL

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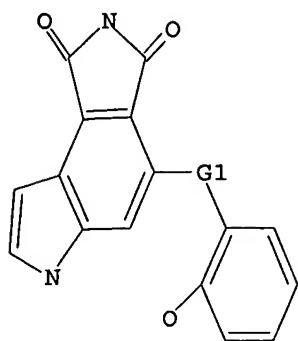
L7 1 S L6

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L4 HAS NO ANSWERS

L4 STR

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G1 C,O

Structure attributes must be viewed using STN Express query preparation.

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